## AMENDMENT TO THE CLAIMS

Please amend the claims as follows:

- 1-48. (Canceled)
- 49. (Withdrawn) A method of manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film on an insulating surface of a substrate;

disposing a catalyst containing material in contact with at least one rectangular selected region of the semiconductor film, said catalyst being capable of promoting crystallization of said semiconductor film;

crystallizing said semiconductor film by heating;

patterning said semiconductor film into an active layer of at least one thin film transistor, said active layer including at least a portion of said selected portion;

forming a gate electrode adjacent to said active layer with a gate insulating film interposed therebetween; and

forming a wiring over said gate electrode and said active layer, said wiring being in contact with said selected portion of said semiconductor film.

- 50. (Withdrawn) A method according to claim 49 wherein said catalyst is selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 51. (Withdrawn) A method according to claim 49 wherein said rectangular selected region is parallel with said gate electrode.
- 52. (Withdrawn) A method of manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film on an insulating surface of a substrate;

disposing a catalyst containing material in contact with at least one rectangular selected region of the semiconductor film, said catalyst being capable of promoting crystallization of said semiconductor film;

crystallizing said semiconductor film by heating;

patterning said semiconductor film into an active layer of thin film transistors, said active layer including at least a portion of said selected portion;

forming gate electrodes adjacent to said active layer with a gate insulating film interposed therebetween; and

forming a wiring over said gate electrodes and said active layer, said wiring being in contact with said selected portion of said semiconductor film.

- 53. (Withdrawn) A method according to claim 52 wherein said catalyst is selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 54. (Withdrawn) A method according to claim 52 wherein said rectangular selected region is parallel with said gate electrodes.
- 55. (Withdrawn) A method of manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film on an insulating surface of a substrate;

disposing a catalyst containing material in contact with at least one rectangular selected region of the semiconductor film, said catalyst being capable of promoting crystallization of said semiconductor film;

crystallizing said semiconductor film by heating;

patterning said semiconductor film into an active layer of a pair of N-channel and P-channel thin film transistors, said active layer including at least a portion of said selected portion;

forming two gate electrodes adjacent to said active layer with a gate insulating film interposed therebetween;

introducing N-channel and P-channel impurities into said active layer; and

forming a wiring over said gate electrodes and said active layer, said wiring being in contact with said selected portion of said semiconductor film.

- 56. (Withdrawn) A method according to claim 55 wherein said catalyst is selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 57. (Withdrawn) A method according to claim 55 wherein said rectangular selected region is parallel with said gate electrodes.
- 58. (Withdrawn) A method of manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film on an insulating surface of a substrate;

disposing a catalyst containing material in contact with at least one rectangular selected region of the semiconductor film, said catalyst being capable of promoting crystallization of said semiconductor film;

crystallizing said semiconductor film by heating;

patterning said semiconductor film into an active layer of at least one thin film transistor, said active layer including at least a portion of said selected portion;

forming a gate insulating film on said active layer;

forming a gate electrode on said gate insulating film; and

forming a wiring over said gate electrode and said active layer, said wiring being in contact with said selected portion of said semiconductor film.

59. (Withdrawn) A method according to claim 58 wherein said catalyst is selected from the group consisting of Ni, Fe, Co, Pd and Pt.

- 60. (Withdrawn) A method according to claim 58 wherein said rectangular selected region is parallel with said gate electrode.
- 61. (Withdrawn) A method of manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film on an insulating surface of a substrate;

disposing a catalyst containing material in contact with at least one rectangular selected region of the semiconductor film, said catalyst being capable of promoting crystallization of said semiconductor film;

crystallizing said semiconductor film by heating;

patterning said semiconductor film into an active layer of thin film transistors, said active layer including at least a portion of said selected portion;

forming a gate insulating film on said active layer;

forming at least two gate electrodes on said gate insulating film; and forming a wiring over said gate electrodes and said active layer, said wiring being in contact with said selected portion of said semiconductor film.

- 62. (Withdrawn) A method according to claim 61 wherein said catalyst is selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 63. (Withdrawn) A method according to claim 61 wherein said rectangular selected region is parallel with said gate electrodes.
- 64. (Withdrawn) A method of manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film on an insulating surface of a substrate;

disposing a catalyst containing material in contact with at least one rectangular selected region of the semiconductor film, said catalyst being capable of promoting crystallization of said semiconductor film;

crystallizing said semiconductor film by heating;

patterning said semiconductor film into an active layer of a pair of N-channel and P-channel thin film transistors, said active layer including at least a portion of said selected portion;

forming a gate insulating film on said active layer;

forming two gate electrodes on said gate insulating film;

introducing N-channel and P-channel impurities into said active layer;

and

forming a wiring over said gate electrodes and said active layer, said wiring being in contact with said selected portion of said semiconductor film.

- 65. (Withdrawn) A method according to claim 64 wherein said catalyst is selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 66. (Withdrawn) A method according to claim 64 wherein said rectangular selected region is parallel with said gate electrodes.
  - 67-84 (Canceled).
- 85. (Currently Amended) A method for manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film over a substrate;

disposing a crystallizing promoting material in contact with a selected portion of the semiconductor film;

crystallizing the semiconductor film by heating wherein a crystal grows from said selected portion of the semiconductor film to a second portion of the semiconductor film adjacent to said selected portion;

patterning the erystalline crystallized semiconductor film to form an active layer including the selected portion wherein said active layer includes at least a first

region and a second region where said first region includes at least a part of the selected portion of the semiconductor film and said second region includes at least a part of the second portion of the semiconductor film;

forming a gate insulating film over the active layer;

forming a gate electrode over the gate insulating film;

forming an insulating film over the gate insulating film; and

forming a wiring over the insulating film,

wherein the wiring is <del>connected to the selected portion</del> in contact with said first region of the active layer.

- 86. (Previously Presented) A method according to claim 85, wherein the crystallization promoting material comprises an element selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 87. (Previously Presented) A method according to claim 85, wherein the heating is performed at a temperature of 450 to 500 °C.
- 88. (Previously Presented) A method according to claim 85, wherein the crystallization promoting material is disposed by a spin-coating.
- 89. (Previously Presented) A method according to claim 85, wherein the active layer contains the crystallization promoting material at a concentration of 1 x  $10^{15}$  atoms/cm<sup>3</sup> or more.
- 90. (Previously Presented) A method according to claim 85, wherein the semiconductor device constitute a driver circuit of an active matrix display device.

91. (Currently Amended) A method for manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film over a substrate;

disposing a crystallizing promoting material in contact with a selected portion of the semiconductor film;

crystallizing the semiconductor film by heating wherein a crystal grows from said selected portion of the semiconductor film to a second portion of the semiconductor film adjacent to said selected portion;

patterning the erystalline crystallized semiconductor film to form an active layer including the selected portion wherein said active layer includes at least a first region and a second region where said first region includes at least a part of the selected portion of the semiconductor film and said second region includes at least a part of the second portion of the semiconductor film;

forming a gate insulating film over the active layer; forming two gate electrodes over the gate insulating film; forming an insulating film over the gate insulating film; and forming a wiring over the insulating film,

wherein the wiring is <del>connected to the selected portion</del> in contact with said first region of the active layer,

wherein the active layer constitutes a pair of N-channel and P-channel thin film transistors.

- 92. (Previously Presented) A method according to claim 91, wherein the crystallization promoting material comprises an element selected from the group consisting of Ni, Fe, Co, Pd and Pt.
  - 93. (Previously Presented) A method according to claim 91, wherein the

heating is performed at a temperature of 450 to 500 °C.

- 94. (Previously Presented) A method according to claim 91, wherein the crystallization promoting material is disposed by a spin-coating.
- 95. (Previously Presented) A method according to claim 91, wherein the active layer contains the crystallization promoting material at a concentration of 1 x  $10^{15}$  atoms/cm<sup>3</sup> or more.
- 96. (Previously Presented) A method according to claim 91, wherein the semiconductor device constitute a driver circuit of an active matrix display device.
- 97. (Currently Amended) A method for manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film over a substrate;

disposing a crystallizing promoting material in contact with a selected portion of the semiconductor film;

crystallizing the semiconductor film by heating wherein a crystal grows from said selected portion of the semiconductor film to a second portion of the semiconductor film adjacent to said selected portion;

patterning the erystalline crystallized semiconductor film to form an active layer including the selected portion wherein said active layer includes at least a first region and a second region where said first region includes at least a part of the selected portion of the semiconductor film and said second region includes at least a part of the second portion of the semiconductor film;

forming a gate insulating film over the active layer; forming a gate electrode over the gate insulating film; forming an insulating film over the gate insulating film; and forming a wiring over the insulating film,

wherein the wiring is connected to the selected portion of the active layer in contact with said first region of the active layer.

- 98. (Previously Presented) A method according to claim 97, wherein the crystallization promoting material comprises an element selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 99. (Previously Presented) A method according to claim 97, wherein the heating is performed at a temperature of 450 to 500 °C.
- 100. (Previously Presented) A method according to claim 97, wherein the crystallization promoting material is disposed by a spin-coating.
- 101. (Previously Presented) A method according to claim 97, wherein the active layer contains the crystallization promoting material at a concentration of 1 x  $10^{15}$  atoms/cm<sup>3</sup> or more.
- 102. (Previously Presented) A method according to claim 97, wherein the semiconductor device constitute a driver circuit of an active matrix display device.
- 103. (Currently Amended) A method for manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film over a substrate;

disposing a crystallizing promoting material in contact with a selected portion of the semiconductor film;

crystallizing the semiconductor film by heating wherein a crystal grows from said selected portion of the semiconductor film to a second portion of the semiconductor film adjacent to said selected portion;

patterning the erystalline crystallized semiconductor film to form an active layer including the selected portion wherein said active layer includes at least a first region and a second region where said first region includes at least a part of the selected portion of the semiconductor film and said second region includes at least a part of the second portion of the semiconductor film;

forming a gate insulating film over the active layer; forming a gate electrode over the gate insulating film; forming an insulating film over the gate insulating film; and forming a wiring over the insulating film,

wherein the wiring is connected to the selected portion of the active layer in contact with said first region of the active layer.

wherein the crystals extend along with a direction in which carriers of the thin film transistor flow.

- 104. (Previously Presented) A method according to claim 103, wherein the crystallization promoting material comprises an element selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 105. (Previously Presented) A method according to claim 103, wherein the heating is performed at a temperature of 450 to 500 °C.
- 106. (Previously Presented) A method according to claim 103, wherein the crystallization promoting material is disposed by a spin-coating.

- 107. (Previously Presented) A method according to claim 103, wherein the active layer contains the crystallization promoting material at a concentration of 1 x  $10^{15}$  atoms/cm<sup>3</sup> or more.
- 108. (Previously Presented) A method according to claim 103, wherein the semiconductor device constitute a driver circuit of an active matrix display device.
- 109. (Currently Amended) A method for manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film over a substrate;

disposing a crystallizing promoting material in contact with a selected portion of the semiconductor film;

crystallizing the semiconductor film by heating wherein a crystal grows from said selected portion of the semiconductor film to a second portion of the semiconductor film adjacent to said selected portion;

patterning the erystalline crystallized semiconductor film to form an active layer including the selected portion wherein said active layer includes at least a first region and a second region where said first region includes at least a part of the selected portion of the semiconductor film and said second region includes at least a part of the second portion of the semiconductor film;

forming a gate insulating film over the active layer;

forming a gate electrode over the gate insulating film;

forming an insulating film over the gate insulating film; and

forming a wiring over the insulating film,

wherein the wiring is <del>connected to the selected portion</del> in contact with said first region of the active layer,

wherein the crystals extend along with a direction connecting source and drain

regions of the thin film transistor.

- 110. (Previously Presented) A method according to claim 109, wherein the crystallization promoting material comprises an element selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 111. (Previously Presented) A method according to claim 109, wherein the heating is performed at a temperature of 450 to 500 °C.
- 112. (Previously Presented) A method according to claim 109, wherein the crystallization promoting material is disposed by a spin-coating.
- 113. (Previously Presented) A method according to claim 109, wherein the active layer contains the crystallization promoting material at a concentration of 1 x 10<sup>15</sup> atoms/cm<sup>3</sup> or more.
- 114. (Previously Presented) A method according to claim 109, wherein the semiconductor device constitute a driver circuit of an active matrix display device.
- 115. (Currently Amended) A method for manufacturing a semiconductor device comprising the steps of:

forming a semiconductor film over a substrate;

disposing a crystallizing promoting material in contact with a selected portion of the semiconductor film;

crystallizing the semiconductor film by heating wherein a crystal grows from said selected portion of the semiconductor film to a second portion of the semiconductor film adjacent to said selected portion;

patterning the erystalline crystallized semiconductor film to form an active layer including the selected portion wherein said active layer includes at least a first region and a second region where said first region includes at least a part of the selected portion of the semiconductor film and said second region includes at least a part of the second portion of the semiconductor film;

forming a gate insulating film over the active layer;

forming a gate electrode over the gate insulating film;

forming an insulating film over the gate insulating film; and

forming a wiring over the insulating film,

wherein the wiring is connected to the selected portion in contact with said first region of the active layer,

wherein the active layer contains the crystallization promoting material at a concentration of 1 x  $10^{19}$  atoms/cm<sup>3</sup> or less.

- 116. (Previously Presented) A method according to claim 115, wherein the crystallization promoting material comprises an element selected from the group consisting of Ni, Fe, Co, Pd and Pt.
- 117. (Previously Presented) A method according to claim 115, wherein the heating is performed at a temperature of 450 to 500 °C.
- 118. (Previously Presented) A method according to claim 115, wherein the crystallization promoting material is disposed by a spin-coating.
- 119. (Previously Presented) A method according to claim 115, wherein the active layer contains the crystallization promoting material at a concentration of 1 x  $10^{15}$  atoms/cm<sup>3</sup> or more.

120. (Previously Presented) A method according to claim 115, wherein the semiconductor device constitute a driver circuit of an active matrix display device.